



PROBLEM OF THE WEEK #8  
(Spring 2018)

Happy  $\pi$  Day! In the multiplication problem below, each character (P, I, \*, ~, #) stands for a single digit (and no two characters represent the same digit). Find the digit that each character represents.

$$\begin{array}{r} P * I \\ P I \sim \\ \hline 3 P \# P * \end{array}$$

[Please fully explain your answer.]

Solutions should be submitted to Cinda Furry, in Gardner Hall 435, by 4:00 P.M. on Wednesday, March 21, 2018.